

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A method of medium access control comprising:
receiving a first message including a first integer;
sending a second message including a second integer, the second message
sent in response to the first message;
receiving, in response to the second message, a third message including data
and a third integer, the third integer serving to authenticate the third message; and
sending, in response to the third message, a fourth message including a fourth
integer, the fourth message serving to acknowledge receipt of the third message.
2. (Original) The method of claim 1, further comprising:
using, as the first, second, third, and fourth integers, the same value.
3. (Original) The method of claim 2, further comprising:
using, as the same value, a random integer.
4. (Original) The method of claim 2, further comprising:
using, as the same value, a pseudorandom integer.
5. (Original) The method of claim 2, further comprising:
using, as the same value, a time value.

6. (Original) The method of claim 2, further comprising:
using, as the same value, a time value based on a Global Positioning System (GPS).
7. (Original) The method of claim 1, further comprising:
using, as the first integer, a nonce value, the nonce value being based on one or more of the following: a random integer, a pseudorandom integer, or a time value.
8. (Original) The method of claim 1, further comprising:
using, as the first integer, a value that is a function of a nonce value.
9. (Original) The method of claim 1, wherein receiving the first message comprises:
using, as the first message, a request to send message.
10. (Original) The method of claim 1, wherein receiving the second message comprises:
using, as the second message, a clear to send message.
11. (Original) The method of claim 1, further comprising:
using the first, second, third, and fourth messages as the medium access control of a wireless network.

12. (Original) The method of claim 1, further comprising:

using, as the first message, a request-to-send message, the request-to-send message providing media access control.

13. (Currently Amended) A method of medium access control in a wireless network comprising:

receiving a request to send message, the request to send message including a first integer;

sending, in response to the received request to send message, a clear to send message including the first integer and a second integer;

receiving, in response to the clear to send message, a data message including the second integer, the second integer serving to authenticate the data message; and

sending, in response to the received data message, an acknowledgement message including the first integer.

14. (Currently Amended) A system of medium access control in a wireless network comprising:

means for receiving a request to send message, the request to send message including a first integer;

means for sending, in response to the received request to send message, a clear to send message including the first integer and a second integer;

means for receiving, in response to the clear to send message, a data message including the second integer, the second integer serving to authenticate the data message; and

means for sending, in response to the received data message, an acknowledgement message including the first integer.

15. (Currently Amended) A system of medium access control comprising:

means for receiving a first message including a first integer;

means for sending a second message including a second integer, the second message sent in response to the first message;

means for receiving a third message, in response to the second message, including data and a third integer, the third integer serving to authenticate the third message; and

means for sending, in response to the third message, a fourth message including a fourth integer, the fourth message serving to acknowledge receipt of the third message.

16. (Currently Amended) A system for medium access control, the system comprising:

a processor; and

a memory,

wherein the processor and the memory are configured to perform a method comprising:

receiving a first message including a first integer;
sending a second message including a second integer, the second message sent in response to the first message;
receiving, in response to the second message, a third message including data and a third integer, the third integer serving to authenticate the third message; and
sending, in response to the third message, a fourth message including a fourth integer, the fourth message serving to acknowledge receipt of the third message.

17. (Original) The system of claim 16, further comprising:
using, as the first, second, third, and fourth integers, the same value.

18. (Original) The system of claim 17, further comprising:
using, as the same value, a random integer.

19. (Original) The system of claim 17, further comprising:
using, as the same value, a pseudorandom integer.

20. (Original) The system of claim 17, further comprising:
using, as the same value, a time value.

21. (Original) The system of claim 17, further comprising:
using, as the same value, a time value based on a Global Positioning System
(GPS).

22. (Original) The system of claim 16, further comprising:
using, as the first integer, a nonce value, the nonce value being based on one or
more of the following: a random integer, a pseudorandom integer, or a time value.

23. (Currently Amended) A system for medium access control in a wireless
network, the system comprising:

a processor; and

a memory,

wherein the processor and the memory are configured to perform a method
comprising:

receiving a request to send message, the request to send message
including a first integer;

sending, in response to the received request to send message, a
clear to send message including the first integer and a second integer;

receiving, in response to the clear to send message, a data
message including the second integer, the second integer serving to
authenticate the data message; and

sending, in response to the received data message, an
acknowledgement message including the first integer.

24. (Currently Amended) A computer-readable medium containing instructions to configure a data processor to perform a method of medium access control comprising:

receiving a first message including a first integer;

sending a second message including a second integer, the second message sent in response to the first message;

receiving, in response to the second message, a third message including data and a third integer, the third integer serving to authenticate the third message; and

sending, in response to the third message, a fourth message including a fourth integer, the fourth message serving to acknowledge receipt of the third message.

25. (Currently Amended) A computer-readable medium containing instructions to configure a data processor to perform a method of medium access control in a wireless network comprising:

receiving a request to send message, the request to send message including a first integer;

sending, in response to the received request to send message, a clear to send message including the first integer and a second integer;

receiving, in response to the clear to send message, a data message including the second integer, the second integer serving to authenticate the data message; and

sending, in response to the received data message, an acknowledgement message including the first integer.